Pressing the [MENU] key will display a menu list. Menus marked with "►" have submenus. To enter "Service" menu, follow the procedure shown below.

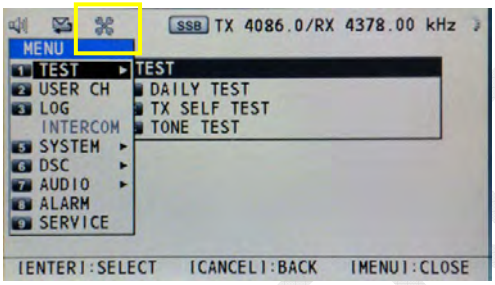
3.1 Entering Service Menu

Procedure:

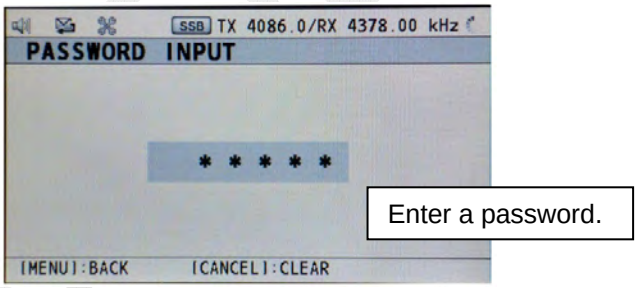
1. Press the [MENU] key to display a menu list.

2. Press the [TAB] key five consecutive times. If the key is normally accepted, a spanner mark will be displayed on the window.

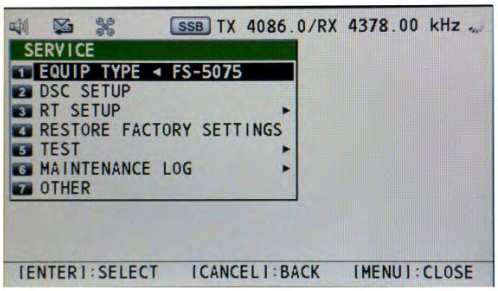
Spanner Mark



3. Select "[9] SERVICE," and then press the [ENTER] knob. The window will be switched to the PASSWORD INPUT window. Then, enter a password "XXXXXX."



4. The system will enter service mode to display a service menu.
   To cancel service mode, turn OFF the power supply, and then press the [TAB] key twice. The service mode will be canceled three minutes after exiting from the service menu.



3.2 Menu Tree

Main Menu	Sub-Menu 1	Sub-Menu 2	Sub-Menu 3	Sub-Menu 4	Note
1. TEST	1. DAILY TEST	TIME			
		Program Ver,	APP, CPLD, 78k BOOT, PANEL BOOT		Displays programs version.
		RX, DSC, WR1, WR2, ALARM UNIT			OK, NG *Note) Select 9.SERVICE -> 7.OTHER -> ALARM UNIT -> CONNECT to display.*
	2. TX SELF TEST	SW REG1, SW REG 2, CODEC, TX PLL, TX, DRV, PA, COMB, TX FIL, COUPLER	<DETAILED> 1. TX PLL	2, 4, 8, 12, 16, 18, 22, 27MHz	OK, NG
			<DETAILED> 2. PA	PA1, PA2, COMB	OK, NG FS-5075: SW REG2, COMB Check
			<DETAILED> 3. TX FIL	1, 3, 4, 6, 8, 12, 18, 22MHz	OK.NG
	3. TONE TEST	OFF			
		1500Hz			- TONE output from SP - TONE MOD: MODE -> SSB, FREQ -> RT FREQ
		1100/1700Hz			
		700/1700Hz			
2. USER CH	SSB (list)				<REGISTER>: Total x/256 MODE: SSB, CH: 1-29/00-99 TX FREQ: xxxxx.x RX FREQ: xxxxx.x
	NBDP (list)				<REGISTER>: Total x/256 MODE: NBDP CH: 1-29/00-99 TX FREQ: xxxxx.x RX FREQ: xxxxx.x
	DSC (list)				<REGISTER>: Total x/256 MODE: DSC BAND: 2, 4, 6, 8, 12, 16, 18, 22, 25 CH: 01 - 04 TX FREQ: xxxxx.x RX FREQ: xxxxx.x
	CW (list)				*Note) Select 9.SERVICE -> 3.RT SETUP -> 1.SETUP -> CW -> ENABLE to display.* <REGISTER>: Total x/256 MODE: SSB, CH: 1-29/00-99 TX FREQ: xxxxx.x RX FREQ: xxxxx.x

3. LOG	RX DISTRESS				Saves 50 logs.
	RX GENERAL				Saves 50 logs.
	TX				Saves 50 logs.
4. INTERCOM					Commences calling INTERCOM.
5. SYSTEM *Cont'd*	1. SQ FREQ	1000Hz	500 – 2000Hz		
	2. KEY ASSIGN	1. F1: RX FREQ	-----		
			TX/RX FREQ		
			RX FREQ		
			MODE		
			AGC		
			TX PWR		
			TX MONITOR		
			TEST CALL		
			MSG FILE		
			DAILY TEST		
			LOG		
			INTERCOM		
			CLARIFIER		
		2. F2: DAILY TEST	*Ditto*		
		3. F3: TEST CALL	*Ditto*		If "SELCALL" is set to "ENABLE," the submenu will be fixed to "SELCALL." Consequently, F3 will not be displayed.
	3. PRINT	1. TX MSG	MANUAL		
			AUTO		
		2. RX MSG	MANUAL		
			AUTO		
		3. DAILY TEST	MANUAL		
			AUTO		
	4. POSITION	INPUT TYPE	EPFS		Switch the input type manually.
			MANUAL		
			NO INFO		
	5. DATE/TIME	SOURCE	INTERNAL/EPFS		Automatically switches between EPFS and INTERNAL (EPFS > INTERNAL).
		DATE	dd/mm/yyyy		
		TIME	xx:xx UTC		

5. SYSTEM *Cont'd*	6. TIME OUT	1. MENU END	10 MIN		
			NO TIME OUT		
		2. DSC GENERAL	15 MIN		
			NO TIME OUT		
		3. RX DISTRESS	15 MIN		
			NO TIME OUT		
		4. SSB	10 SEC		
			30 SEC		
			10 MIN		
		5. TELEX	10 SEC		
			30 SEC		
			10 MIN		
			NO TIMEOUT		
		6. FAX	*Ditto*		Appears when selecting 5.SYSTEM -> 7.RX SETUP -> 1.FAX RX -> ENABLE.
		7. AM	*Ditto*		
		8. CW	*Ditto*		Appears when selecting 9.SERVICE -> 3.RX SETUP -> 1.SETUP -> CW -> ENABLE.
	7. RX SETUP	1. FAX RX	DISABLE		*Related) 5.SYSTEM -> 6.TIME OUT -> 6.FAX*
			ENABLE		
		2. ANT SELECT	RX ANT		Appears when selecting 9.SERVICE -> 3.RT SETUP -> 1.SETUP -> RX ANT -> CONNECT.
			TRX ANT		
		3. CLARIFIRE	ON		*Related) 9.SERVICE -> 3.RT SETUP -> 1.SETUP -> CLARIFIER LIMIT*
			OFF		
	8. EXTERNAL ALARM	1. URGENCY	ON		
			OFF		
		2. SAFETY	ON		
			OFF		
		3. ROUTINE	ON		
			OFF		

5. SYSTEM	9. NETWORK	<VIEW> IP ADDRESS	172.031.005.003		<VIEW>
		<VIEW> SUBNET MASK	255.255.000.000		
		<VIEW> GATEWAY	000.000.000.000		
		<VIEW> HOST NAME	SSB003		FS-5075: SSB003, FS-2575: SSB004 FS-1575: SSB005
		<EDIT> IP ADDRESS			Password: 012345678
		<EDIT> SUBNET MASK			
		<EDIT> GATEWAY			
		HOST NAME			FIXED
6. DSC *Cont'd*	1. ADDRESS BOOK	SHIP (list)	NAME/MMSI		<REGISTER> Total x/50 NAME: MMSI: MIDxxxxxx
		COAST (list)	NAME/MMSI		<REGISTER> Total x/50 NAME: MMSI: 00MIDxxxx
		GROUP (list)	NAME/MMSI		<REGISTER> Total x/50 NAME: MMSI: 0MIDxxxxx
	2. MSG FILE	INDIVIDUAL (list)			<REGISTER> MSG TYPE: INDVIDUAL TO: MIDxxxxxx(DIRECT INPUT/ADDRESS BOOK) COMM MODE: COMM FREQ: DSC FREQ: FAIL NAME:
		GROUP (list)			<REGISTER> MSG TYPE: GROUP TO: 0MIDxxxxx(DIRECT INPUT/ADDRESS BOOK) COMM MODE: COMM FREQ: DSC FREQ: FAIL NAME:
		PSTN (list)			<REGISTER> MSG TYPE: PSTN TO: 00MIDxxxx(DIRECT INPUT/ADDRESS BOOK) COMM MODE: TELEPHONE TEL: DSC FREQ: FAIL NAME:
		TEST (list)			<REGISTER> MSG TYPE: TEST TO: MIDxxxxxx(DIRECT INPUT/ADDRESS BOOK) DSC FREQ: 2 – 16M DIS/SAF FREQ FAIL NAME:

6. DSC	3. ACK SETTINGS	1. INDIVIDUAL	MANUAL		
			AUTO(UNABLE)		
		2. PSTN	AUTO(ABLE)		
			AUTO(UNABLE)		
		3. REASON	NO REASON		
			BUSY		
			EQUIP ERROR		
			CAN'T USE MODE		
			CAN'T USE CH		
		4. POSITION MSG	AUTO(ABLE)		
			AUTO(UNABLE)		
			MANUAL		
		5. POLLING MSG	AUTO		
			MANUAL		
		6. TEST MSG	AUTO		
			MANUAL		
	4. SPECIAL MSG	NEUTRAL	ABLE		SPECIAL MSG added to MSG TYPE of ABLE: [OTHER DSC MSG]
			UNABLE		
		MEDICAL	ABLE		
			UNABLE		
	5. ROUTINE SCAN	SCAN1 - 6	OFF, 2, 4, 6, 8, 12, 16, 18, 22, 25MHz		Default -> F1: 2177kHz
	6. DISTRESS SCAN	2M(FIXED)			9. SERVICE -> 2. DSC SETUP -> CLASS -> - MF/HF: 2, 8MHz + One Freq - MF: *6. DISTRESS SCAN* -> Deleted
		4M	ON/OFF		
		6M	ON/OFF		
		8M(FIXED)			
		12M	ON/OFF		
		16M	ON/OFF		

7. AUDIO	1. KEY CLICK	0 – 3 (2)			
	2. OFF HOOK SP	SP ON			
		MUTE			
	3. ORDINARY ALARM	SAFETY	0 – 5 (5)		Allows for the output of monitoring sound through making alarm sound setting.
		ROUTINE	0 – 5 (5)		
	4. ALARM DISTANCE	500NM			
		OFF			
	5. SIDE TONE	400 – 1000Hz 600Hz			Enabled when selecting 9.SERVICE -> 3.RT SETUP -> 1.SETUP -> CW -> ENABLE.
	6. SIDE TONE LV	0 – 63 32			
8. ALARM					Displays alarm currently in progress.

9. SERVICE *Cont'd*	1. EQUIP TYPE	*FS-xx75*			Display only. (Automatic discrimination)
	2. DSC SETUP	MMSI			Display only. (Setting: MMSI SW ON -> Password)
		SIG DETECT S-LEVEL	0 – 100 (80)		
		DISTRESS ALARM	0 – 31 (16)		
		CLASS	MF/HF		MF/HF: A1, A2, A3, A4 MF: A1, A2
			MF		
			NON-GMDSS		
		DSC/DSE SENTENCE	ON		
			OFF		
		[LAST DISTRESS LOG]	*UNIT*		CNTRL1, CNTRL2, ALARM UNIT
			TIME		
	3. RT SETUP *Cont'd*	1. SETUP *Cont'd*	TX FREQ	ALL FREE	
				FREE	
				MARINE/USER	
				ITU/USER	
				USER	
			AM MODE	RX ONLY	
				TX/RX	
			CW	ENABLE	Allows mode selection. Side tone adjustment is enabled by using AUDIO menu.
				DISABLE	
			LSB	ENABLE	Allows mode selection.
				DISABLE	
			SELCALL	ENABLE	Setting this submenu to "ENABLE" will assign "SELCALL" to [7] of KEY ASSIGN.
				DISABLE	
			REF OSC	-127 – 127 (0)	Makes frequency adjustment.
			CLARIFIER LIMIT	50 – 990Hz (200Hz)	*Related) 5.SYSTEM -> 7.RX SETUP -> 3.CLARIFIRE*
			TX TUNE	ON	
				OFF	
			COUPLER THROUGH	OFF	
				RCVD	
				DIFF	

9. SERVICE *Cont'd*	3. RT SETUP *Cont'd*	1. SETUP	RX ANT	DISCONNECT	*Related)* *5.SYSTEM -> 7.RX SETUP -> 2.ANT SELECT*		
				CONNECT			
			DIVIDER	ON	Makes setting of the divider circuit of the RX FIL board to ON or OFF.		
				OFF			
			LINE IN	-10 – 10 (0)			
			LINE OUT	-10 – 10 (0)			
			FORMAT	IEC	IEC: IEC-61162 -1Ed.4		
				IEC+NMEA			
			MIF	RS-232C			
				RS-485			
		2. SELF CHECK	VS, TX, DRV, COMB, PA, FIL		Displays numerical values.		
		3. DSC TEST	TX TYPE	DOT			
				MARK			
				SPACE			
			TX FREQ	1605.0 – 27500.0	Recalls frequency set on the RT window.		
			TX KEY	ON			
				OFF			
		4. TX PWR (FREQ)	TX MODE	SSB			
				DSC			
				NBDP			
				CW	*Related) 9.SERVICE ->3.RT SETUP -> 1.SETUP -> CW*		
			TX FREQ		Recalls frequency set on the RT window.		
			TX POWER	HIGH	FS-5075: HIGH/MID/LOW1/LOW2 FS-2575/1575: HIGH/MID/LOW		
				MID			
				LOW1			
				LOW2			
			TX POWER ADJ	0 – 255	Varies with model and frequency band.		
			TX TONE	***SSB***	***DSC***	***NBDP***	***CW***
				OFF	OFF	OFF	OFF
				1500Hz	1615Hz	1615Hz	TONE
				1100/1700Hz	1785Hz	1785Hz	
				700/1700Hz	DOT	DOT	
			<LOAD DEFAULT>	YES/NO			

9. SERVICE *Cont'd*	3. RT SETUP	5. TX PWR (USER CH)	TX MODE	SSB			
				DSC			
				NBDP			
				CW	*Related) 9.SERVICE -> 3.RT SETUP -> 1.SETUP -> CW*		
			TX CH	---			
			TX POWER	HIGH	FS-5075: HIGH/MID/LOW1/LOW2 FS-2575/1575: HIGH/MID/LOW		
				MID			
				LOW1			
				LOW2			
			TX POWER ADJ	0 – 255			
			TX TONE	***SSB***	***DSC***	***NBDP***	***CW***
				OFF	OFF	OFF	OFF
				1500Hz	1615Hz	1615Hz	TONE
				1100/1700Hz	1785Hz	1785Hz	
				700/1700Hz	DOT	DOT	
			<LOAD DEFAULT>	YES/NO			
		6. TX PWR (TUNE)	TX FREQ		Recalls frequency set on the RT window.		
			TX POWER ADJ	0 – 140	FS-5075: 65, FS-2575: 80		
			<LOAD DEFAULT>	YES/NO			
		7. TX PWR (SEL CALL)	TX POWER ADJ	0 – 255	AM/2331.5kHz		
			<LOAD DEFAULT>	YES/NO			
	4. RESTOR FACTORY SETTINGS	Yes			Return to factory settings, except MMSI, MAC address, and adjusted values.		
		No					

9. SERVICE *Cont'd*	5. TEST *Cont'd*	1. VERSION *Cont'd*	[FS-xx75] (1/2)		*FS-xx75 Program Version*
			APP	0550243-0x.xx	
			CPLD	0550245-0x.xx	
			78K BOOT	0550247-0x.xx	
			PANEL BOOT	0550246-0x.xx	
			[FS-2575C] (1/2)		*FS-xx75C Program Version*
			STARTER	01.xx.20xxxxxx	
			FPGA	01.xx.20xxxxxx	
			APP	01.xx.20xxxxxx	
			BOOT	01.xx.20xxxxxx	
			[FS-2575C PCB] (1/2)		*Board Version*
			C-CPU	0, 1--	
			PANEL	0, 1--	
			C-IF	0, 1--	
			[FS-2575T] (2/2)		*FS-xx75T Program Version*
			STARTER	01.xx.20xxxxxx	
			FPGA	01.xx.20xxxxxx	
			SH2A APP	01.xx.20xxxxxx	
			SH2A BOOT	01.xx.20xxxxxx	
			NIOS APP	01.xx.20xxxxxx	
			DSP APP	01.xx.20xxxxxx	
			78K APP	01.xx.20xxxxxx	
			78K BOOT	*0550247-01.xx*	

9. SERVICE *Cont'd*	5. TEST *Cont'd*	1. VERSION	[FS-2575T PCB] (2/2)		*Board Version*
			T-CPU	0, 1--	
			MOT	0, 1--	
			T-IF	0, 1--	
			PA- IF	0, 1--	
			TX	0, 1--	
			RX	0, 1--	
			WR1	0, 1--	
			WR2	0, 1--	
			TX-FIL	0, 1--	
			RX-FIL	0, 1--	
			PA1	0, 1--	
			PA2	0, 1--	
			DRV	0, 1--	
		2.T-CPU PCB	SOFT	0550243-01.xx	*Program Version*
			CPLD	0550245-01.xx	
			BOOT	0550247-01.xx	
			RAM	OK/NG	*Memory test*
			ROM	OK/NG	
			T-CPU	0, 1--	*Board Version*
			MOT	0, 1--	
			T-IF	0, 1--	
			PA-IF	0, 1--	
			TX	0, 1--	
			RX	0, 1--	
			WR1	0, 1--	
			WR2	0, 1--	
			TX-FIL	0, 1--	
			RX-FIL	0, 1--	
			PA1	0, 1--	
			PA2	0, 1--	
			DRV	0, 1--	

9. SERVICE *Cont'd*	5. TEST *Cont'd*	3. C-CPU PCB	[PROGRAM VERSION] (1/4)		FS-2575C *Program Version*
			FS-xx75 PG	0550243-01.xx	
			FS-2575C BOOT	0550246-01.xx	
			[TEST] (1/4)		
			ROM CHECK	OK/NG	
			RAM CHECK	OK/NG	
			NBDP	OK/NG	
			[PCB VERSION] (1/4)		*Board Version*
			C-CPU	0, 1--	
			C-IF	0, 1--	
			PANEL	0, 1--	
			[LED TEST] (2/4)		*LED Test*
			BACK LED		
			ALARM LED(RED)		
			OTHER LED		
			PRINTER STATUS		
			[KEY TEST] (3/4)		*KEY Test*
			ENCODER KNOB		
			VOLUME KNOB	0 - 520	
			RF GAIN KNOB	0 - 40	
			HOOK	ON/OFF	
			PTT	OFF/ON	
			[LCD TEST] (4/4)		

9. SERVICE *Cont'd*	5. TEST *Cont'd*	4. TA TEST	[CONTACT SIGNAL]		*Contact Signal Check*
			AC FAIL	ON/OFF	
			CW KEY	ON/OFF	
			RX MUTE	ON/OFF	
			ALARM ACK	ON/OFF	
			EXT PTT	ON/OFF	
			CONTINUOUS PRINT	START/STOP	
			DISTRESS SCAN	*NORMAL, 2 – 16M*	
			POPUP ALARM	ON/OFF	
			MIC LOOP BACK	ON/OFF	
			[LOOP BACK]		*Loop Back Test*
			IEC-61162	OK/NG	
			ALARM UNIT	OK/NG	
			REMOTE	OK/NG	
		5. DISPLAY TEST	[BRIGHTNESS]		*Brightness, LCD Check*
			DISTRESS KEY LED		
			ALARM LED(RED)	*0 - 17*	
			ALARM LED (YELLOW)	*0 - 17*	
			PANEL KEY LED	*0 - 17*	
			DISPLAY LCD	*0 - 17*	
			LCD CURRENT ADJ	*0 - 255*	
			3: NEXT		
	6. MAINTENANCE LOG	1. I/O MONITOR	1. IEC-61162		*Data Monitor*
			2. ALARM UNIT		
			3. REMOTE		
		2. ERROR LOG			
		3. SW UPDATE LOG			
		4. POWER ON LOG			
		5. INFORMATION LOG			

9. SERVICE	7. OTHER	[for SERVICE]			
		PA	ON		
			OFF		
		ALARM UNIT	CONNECT		
			DISCONNECT		
		P-BROWSER	ON		
			OFF		
		SOFTWARE ERASE	YES		
			NO		
		[for DEVELOP]			
		DEBUG MODE	OFF		
			ON		